

Fig. 1a

(X = ENGAGED CLUTCH)

RATIO SPREAD	6.64
RATIO STEPS	
REV/1	-0.60
1/2	1.68
2/3	1.49
3/4	1.63
4/5	1.54
5/6	1.05

$$\frac{\text{RING GEAR}}{\text{SUN GEAR}} = 1.51$$

$$\frac{R_1}{S_1} = 2.04$$

$$\frac{R_3}{S_3} = 1.79$$

Fig. 1b

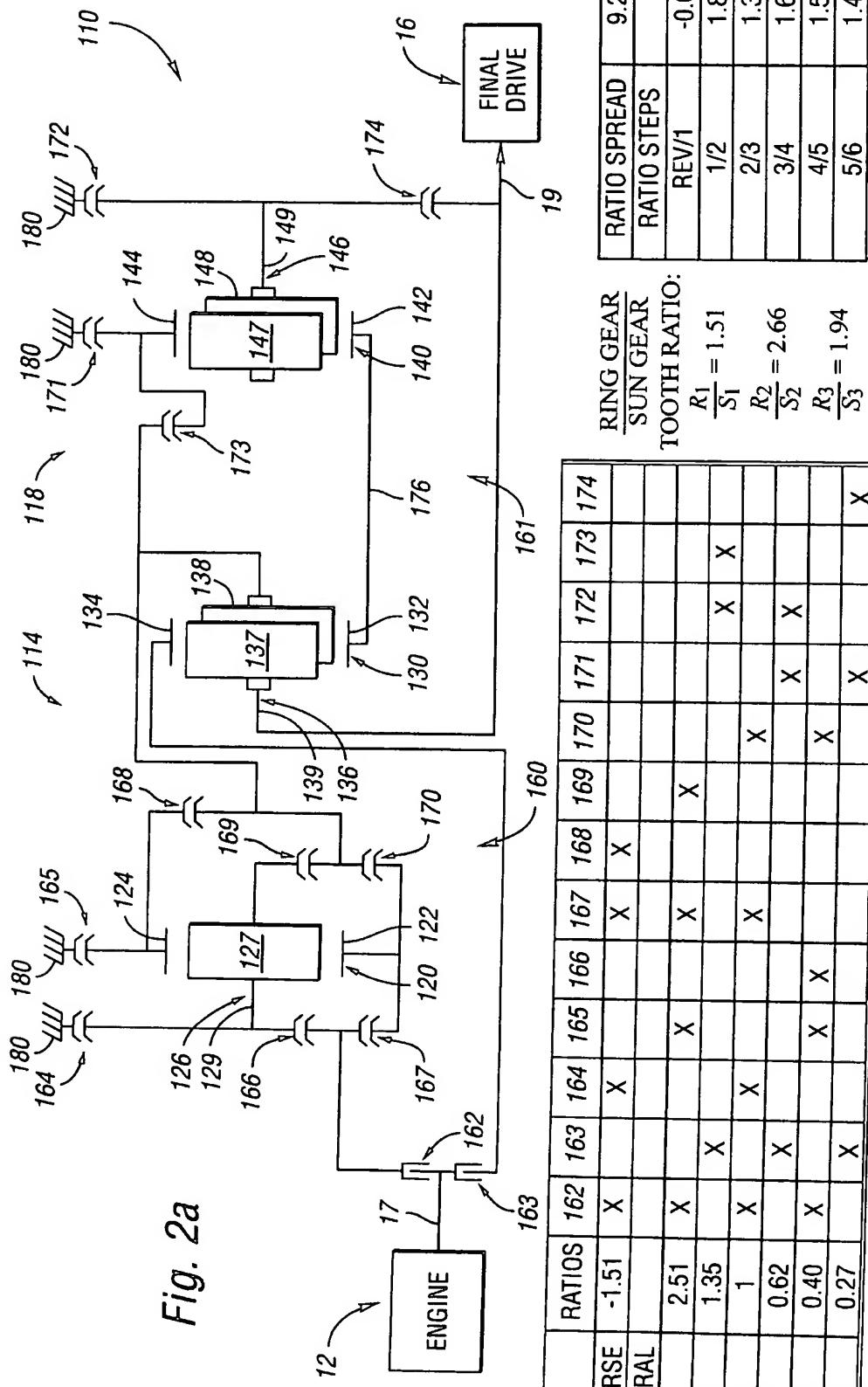
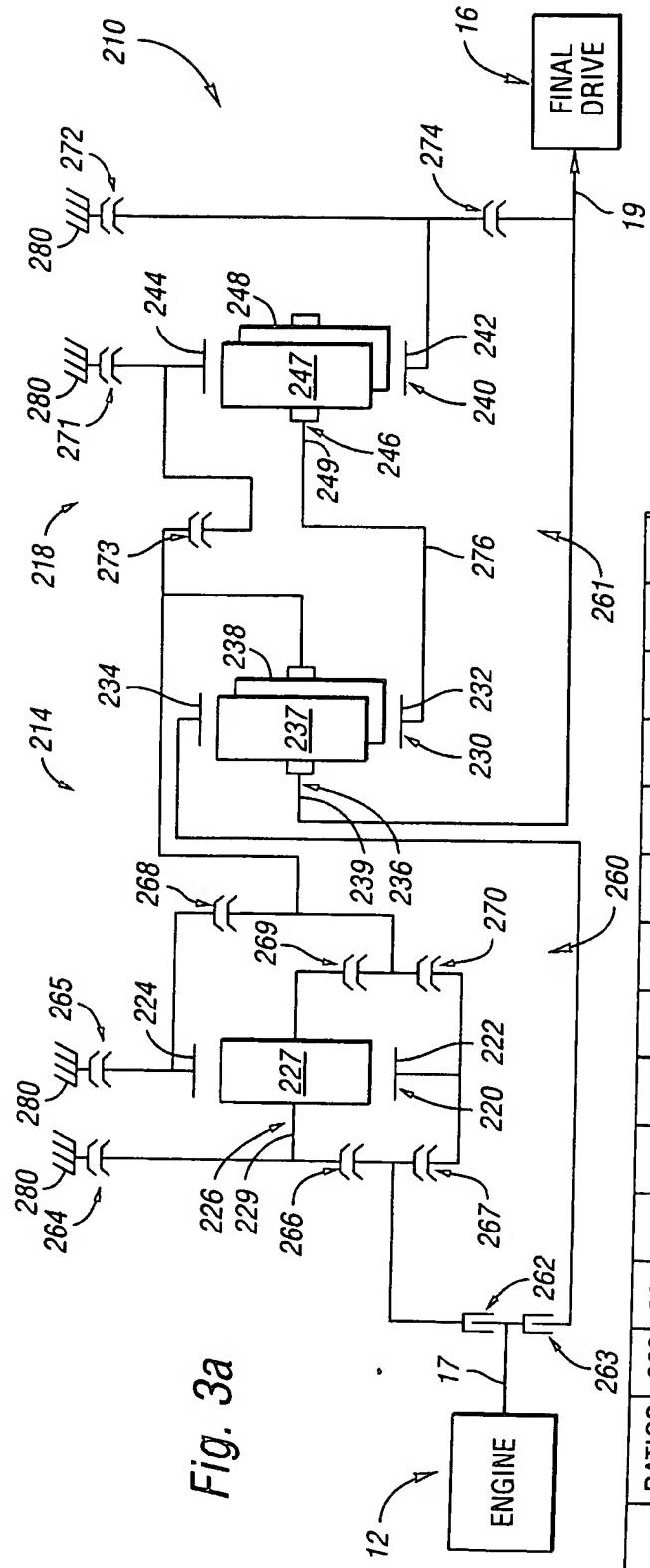


Fig. 2b



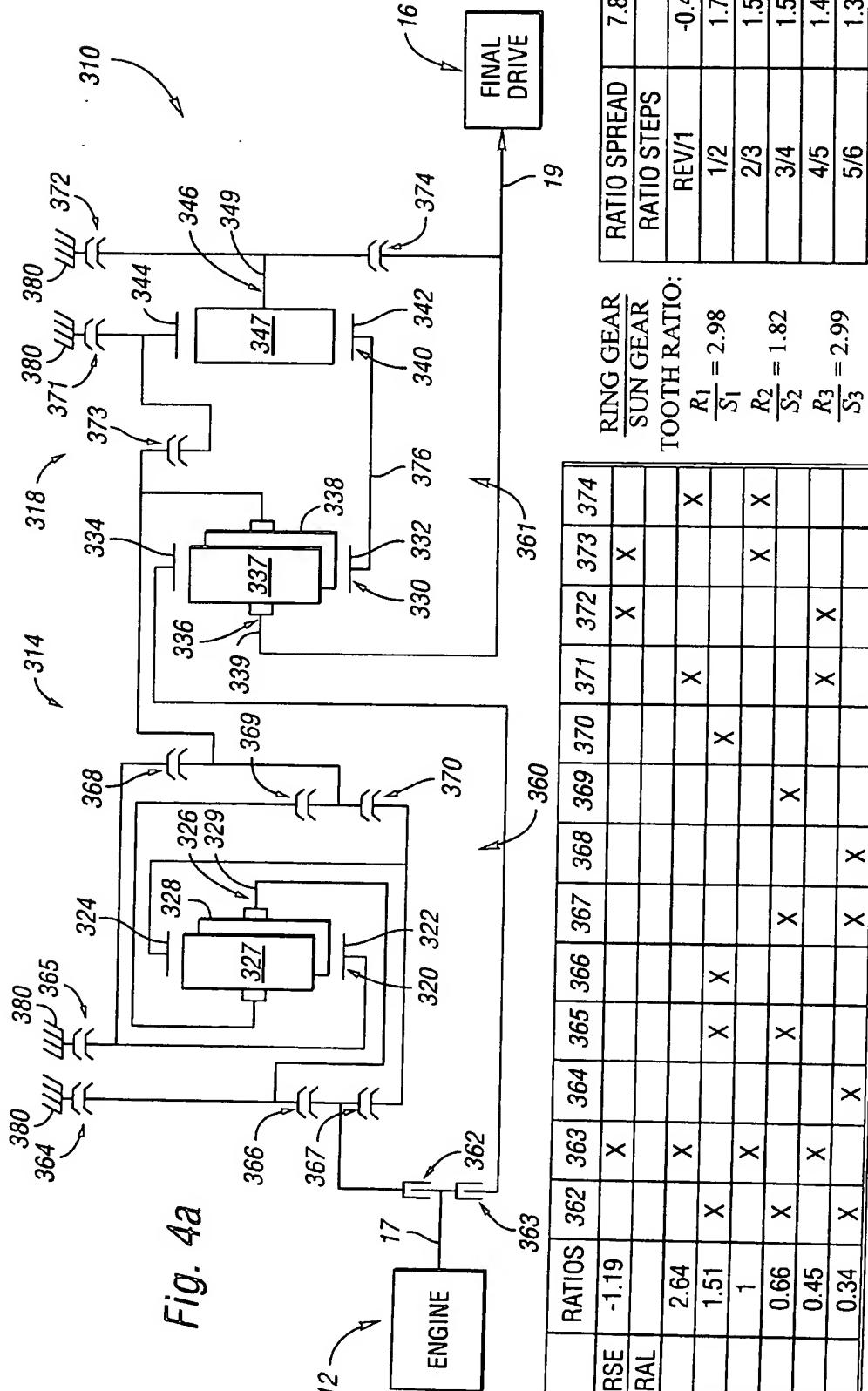
	RATIOS	262	263	264	265	266	267	268	269	270	271	272	273	274
REVERSE	-1.51	X					X	X						
NEUTRAL														
1	2.51	X					X							
2	1.34		X											
3	1	X		X				X			X	X		
4	0.61		X					X			X	X		
5	0.40	X			X	X				X		X		X
6	0.27		X								X			X

(X = ENGAGED CLUTCH)

	RATIO SPREAD	9.27
	RATIO STEPS	
TOOTH RATIO:		
$\frac{R_1}{S_1} = 1.51$	REV/1	-0.60
$\frac{R_2}{S_2} = 2.56$	1/2	1.85
$\frac{R_3}{S_3} = 2.15$	2/3	1.35
	3/4	1.60
	4/5	1.57
	5/6	1.47

Fig. 3b

4/12

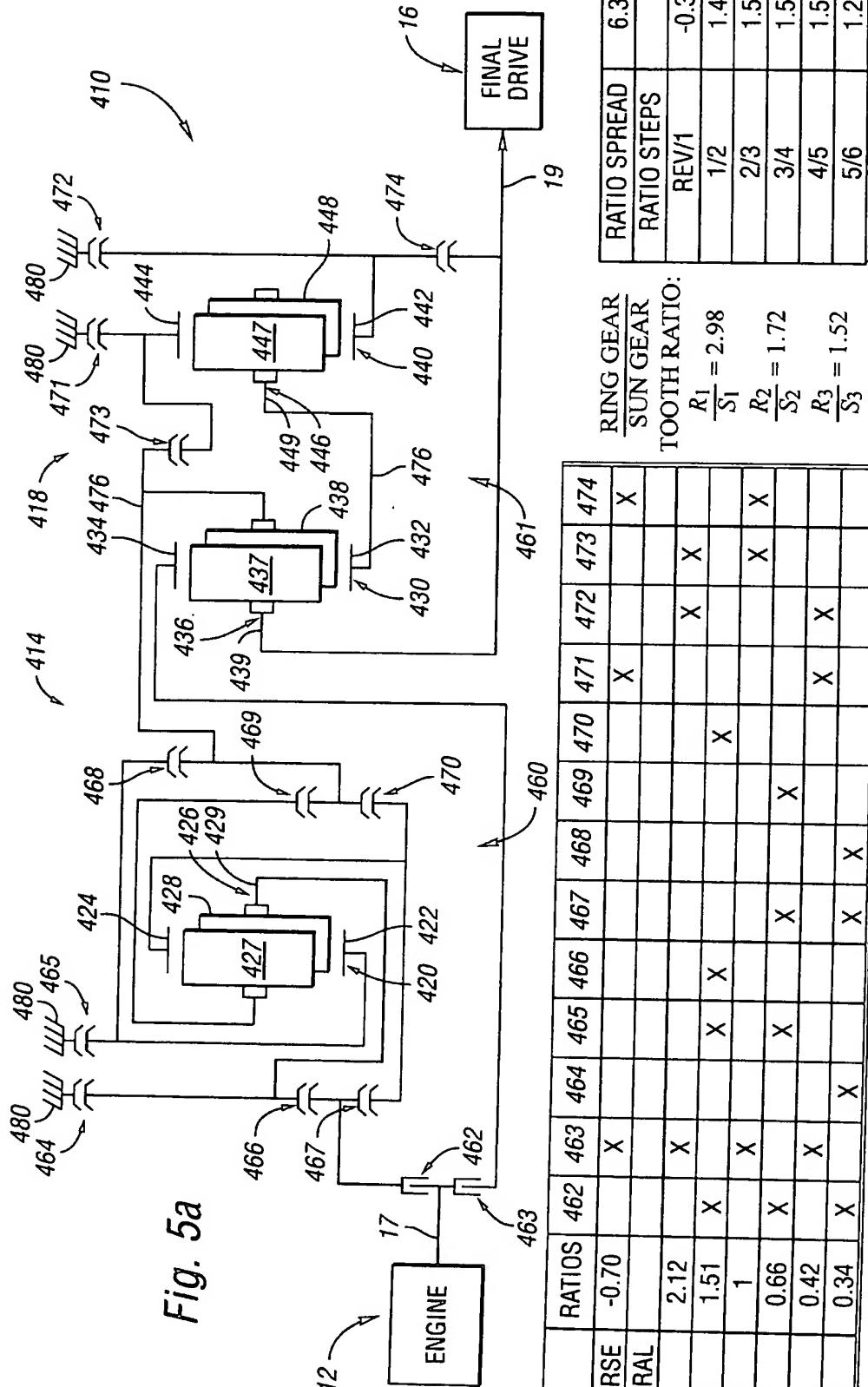


	RATIOS	362	363	364	365	366	367	368	369	370	371	372	373	374	RING GEAR SUN GEAR	TOOTH RATIO: $\frac{R_1}{S_1} = 2.98$	TOOTH RATIO: $\frac{R_2}{S_2} = 1.82$	TOOTH RATIO: $\frac{R_3}{S_3} = 2.99$	RATIO SPREAD REV/1	RATIO STEPS
REVERSE	-1.19		X								X	X	X	X					7.88	
NEUTRAL																				
1	2.64		X								X								-0.45	
2	1.51	X			X	X													1/2	1.76
3	1		X																2/3	1.51
4	0.66	X			X		X		X										3/4	1.51
5	0.45		X																4/5	1.47
6	0.34	X		X			X		X	X									5/6	1.34

(X = ENGAGED CLUTCH)

Fig. 4b

5/12



	RATIO SPREAD	6.32
	RATIO STEPS	
TOOTH RATIO:	REV/1	-0.33
$\frac{R_1}{S_1} = 2.98$	1/2	1.41
$\frac{R_2}{S_2} = 1.72$	2/3	1.51
$\frac{R_3}{S_3} = 1.52$	3/4	1.51
	4/5	1.59
	5/6	1.24

	RING GEAR	SUN GEAR

	462	463	464	465	466	467	468	469	470	471	472	473	474
REVERSE	-0.70	X								X			X
NEUTRAL													
1	2.12	X								X	X		
2	1.51	X		X	X								
3	1	X				X					X	X	
4	0.66	X		X	X	X		X					
5	0.42	X					X				X	X	
6	0.34	X	X	X	X	X	X	X	X				

(X = ENGAGED CLUTCH)

Fig. 5b

6/12

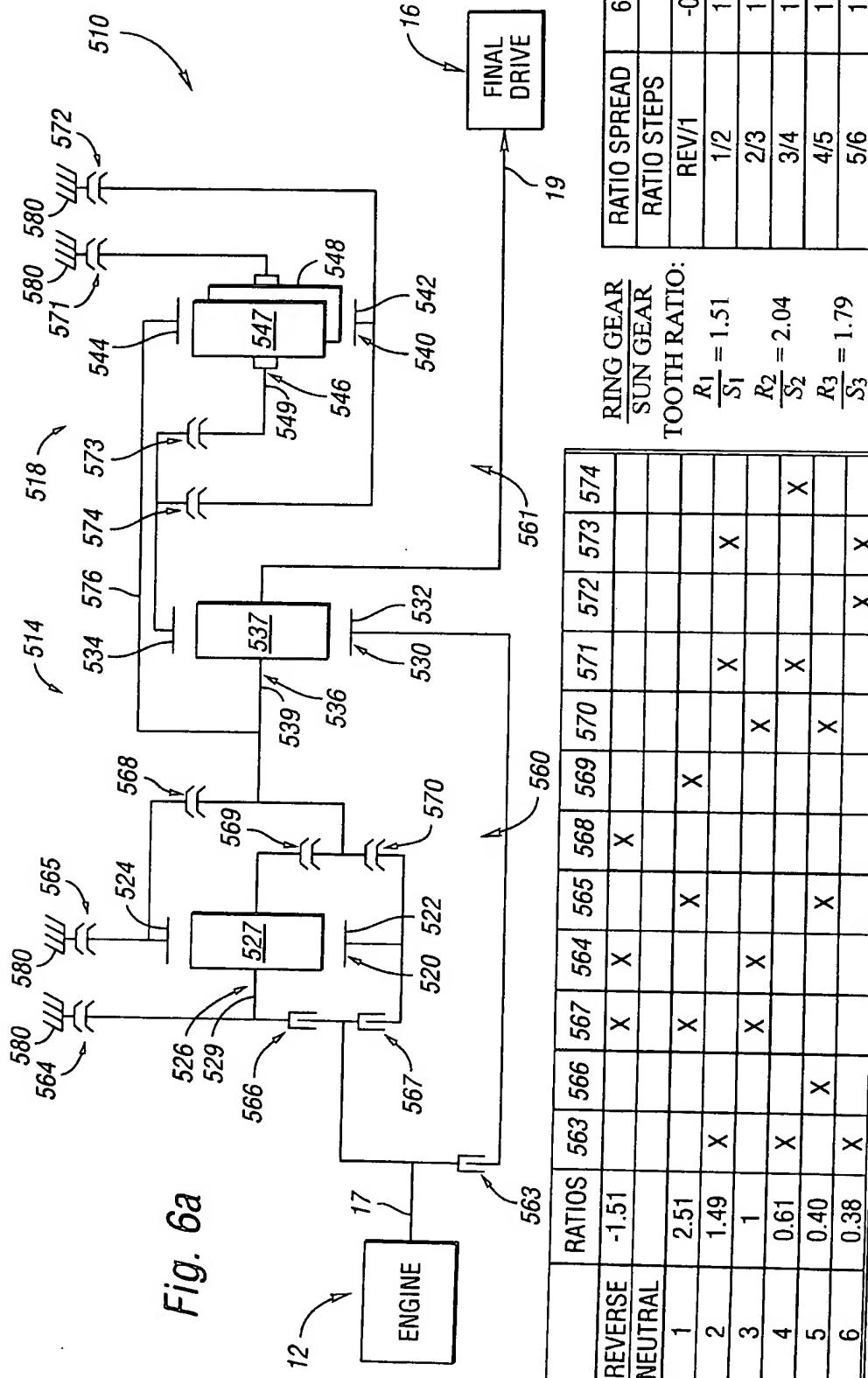


Fig. 6b

7/12

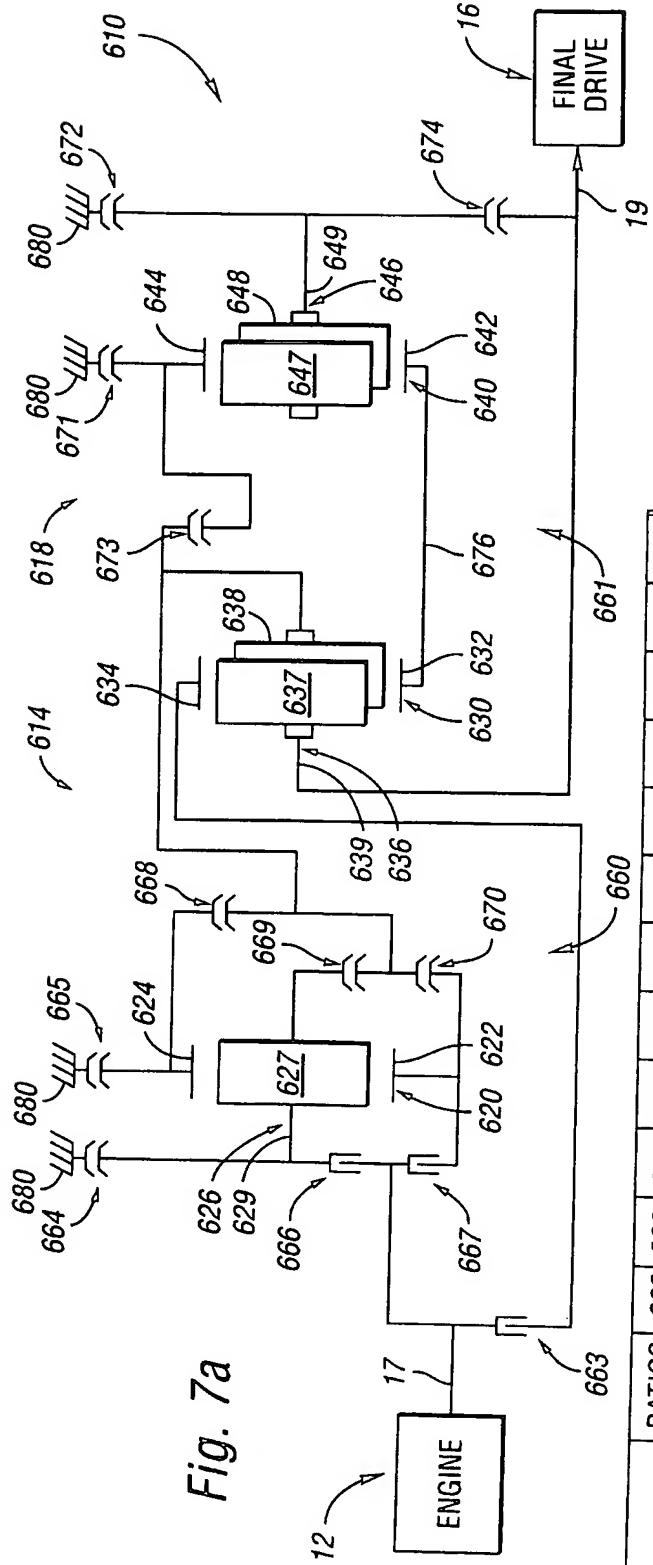


Fig. 7a

	RATIOS	663	666	667	664	665	668	669	670	671	672	673	674
REVERSE	-1.51			X	X	X							
NEUTRAL													
1	2.51			X		X							
2	1.35	X			X								
3	1			X	X				X				
4	0.62	X								X			
5	0.40			X			X			X			
6	0.27	X									X		X

(X = ENGAGED CLUTCH)

RATIO SPREAD	9.27
RATIO STEPS	
REV/1	-0.60
1/2	1.85
2/3	1.35
3/4	1.60
4/5	1.57
5/6	1.47

<u>SUN GEAR</u>	TOOTH RATIO:
$\frac{R_1}{S_1} = 1.51$	$\frac{R_2}{S_2} = 2.66$
$\frac{R_3}{S_3} = 1.94$	

Fig. 7b

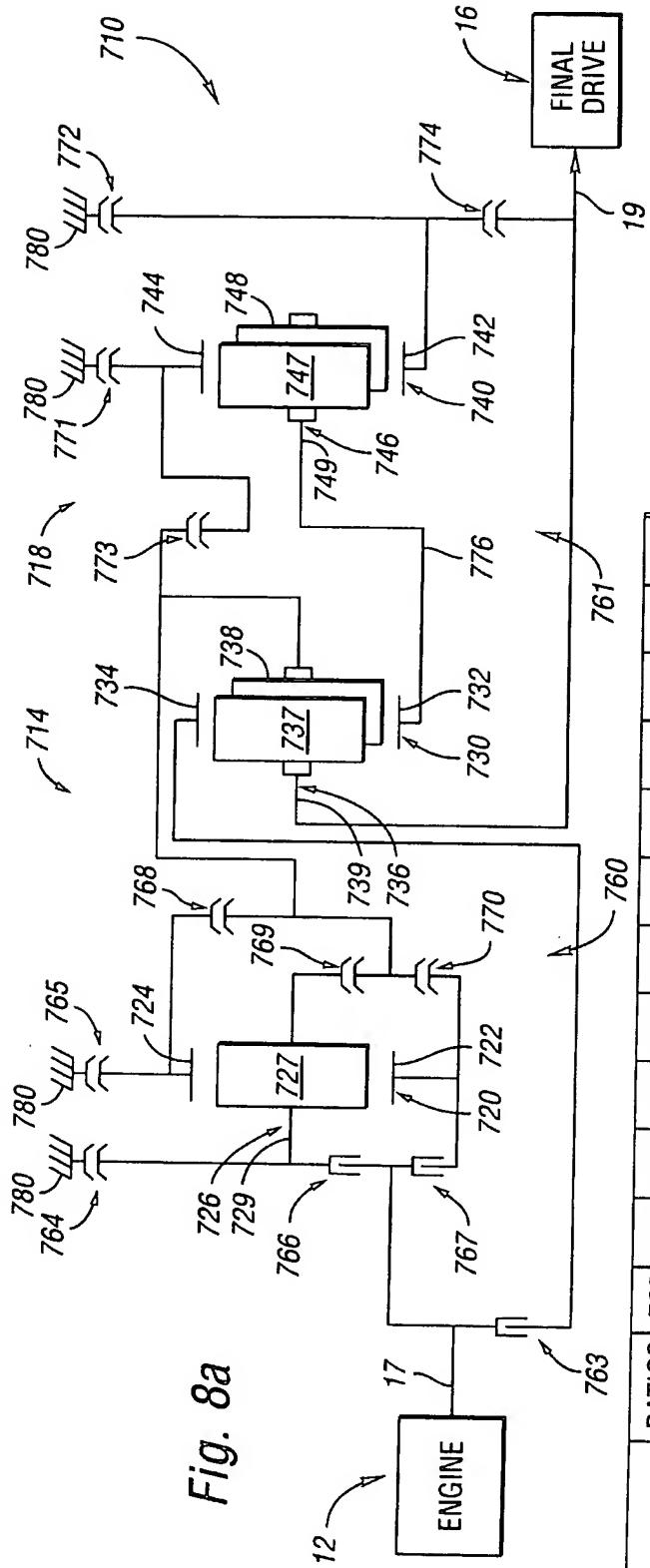


Fig. 8a

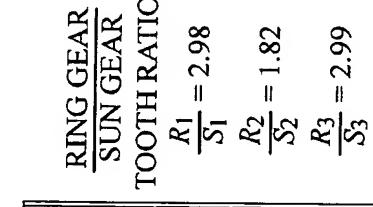
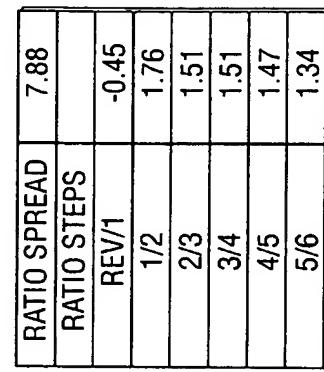
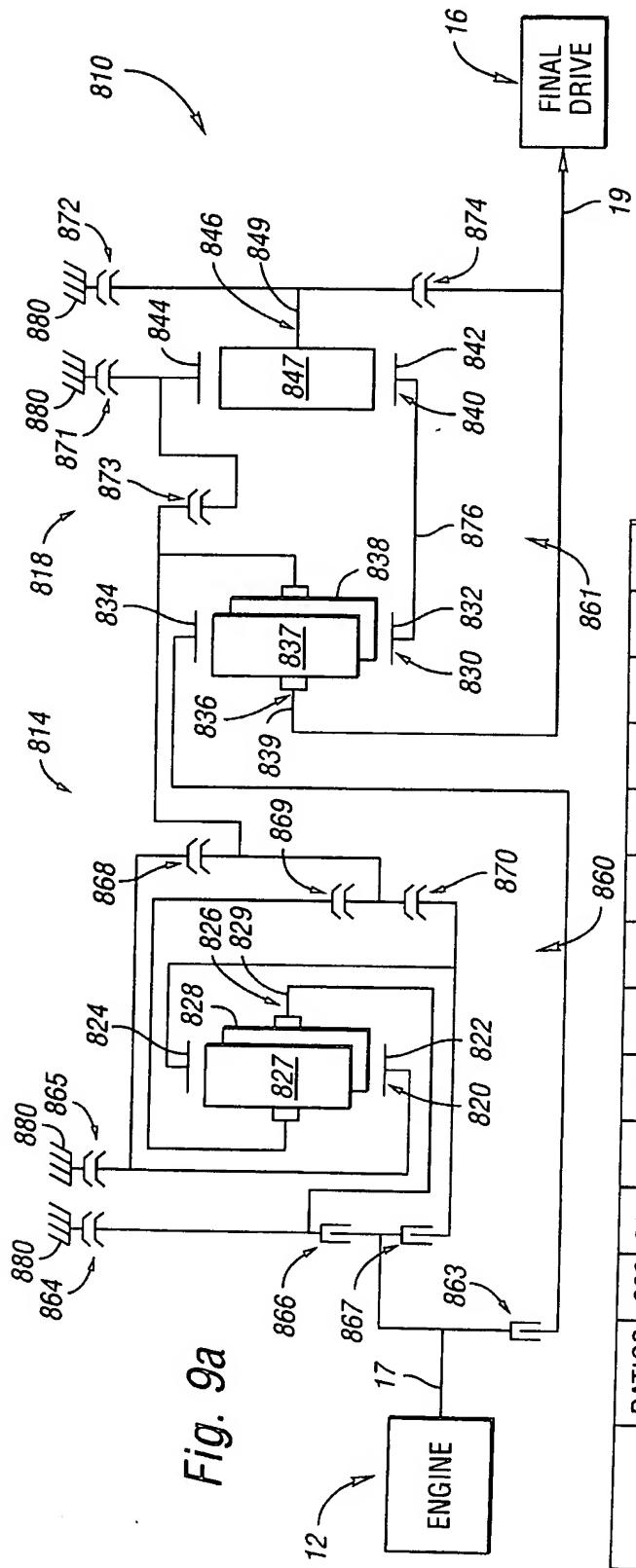
	RATIOS	763	766	767	764	765	768	769	770	771	772	773	774
REVERSE	-1.51			X	X		X						
NEUTRAL													
1	2.51			X		X							
2	1.34	X										X	X
3	1			X	X				X				
4	0.61	X								X	X		
5	0.40			X				X		X			
6	0.27	X									X		

(X = ENGAGED CLUTCH)

RATIO SPREAD	9.27
RATIO STEPS	
REV/1	-0.60
1/2	1.85
2/3	1.35
3/4	1.60
4/5	1.57
5/6	1.47

Fig. 8b

9/12



	RATIOS	863	866	867	864	865	868	869	870	871	872	873	874
REVERSE	-1.19	X								X	X		
NEUTRAL													
1	2.64	X								X			
2	1.51		X							X			
3	1	X								X			
4	0.66		X							X			
5	0.45	X								X			
6	0.34		X	X						X			

(X = ENGAGED CLUTCH)

Fig. 9b

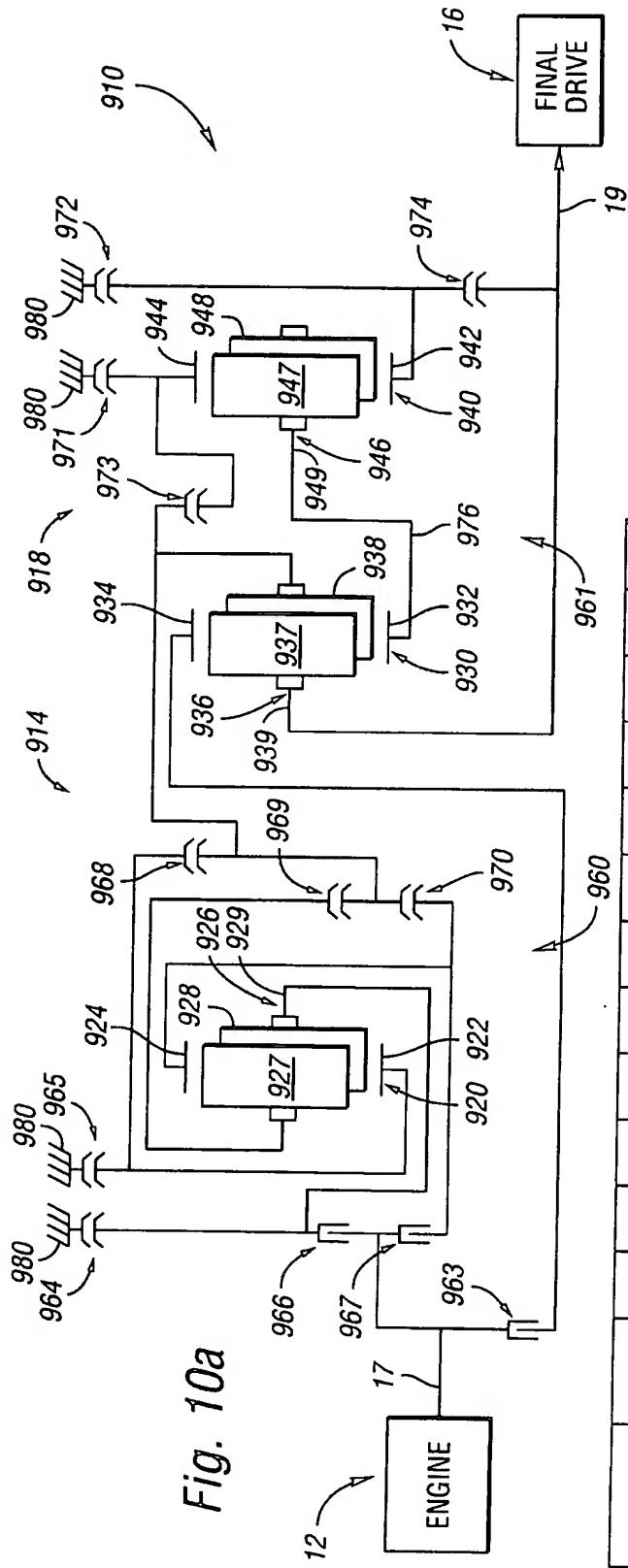


Fig. 10a

	RATIOS	963	966	967	964	965	968	969	970	971	972	973	974	RATIO SPREAD	6.32
REVERSE	-0.70	X								X		X		RATIO STEPS	
NEUTRAL														REV/1	-0.33
1	2.12	X							X	X					
2	1.51		X					X							
3	1	X									X	X			
4	0.66			X						X					
5	0.42	X										X	X		
6	0.32				X	X						X			

(X = ENGAGED CLUTCH)

Fig. 10b

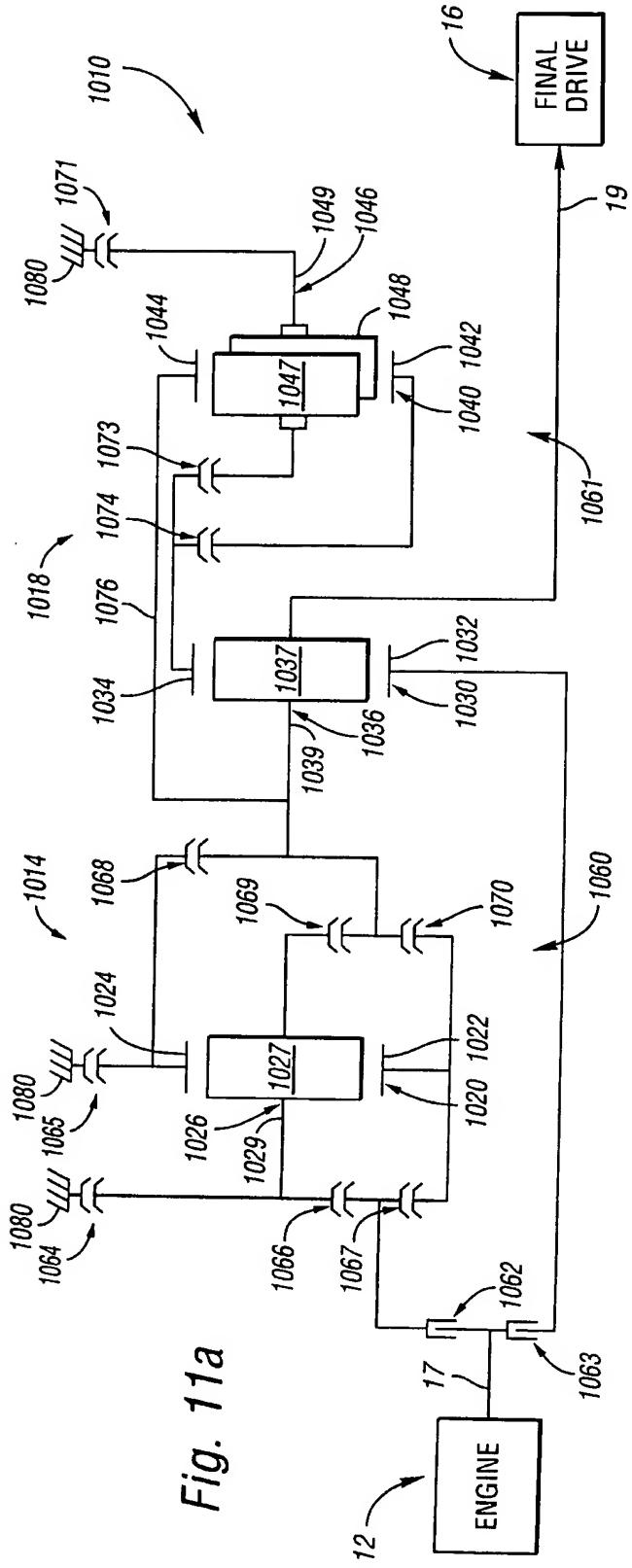


Fig. 11a

	RATIOS	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1073	1074
REVERSE	-1.51	X		X		X		X					
NEUTRAL													
1	2.51	X		X		X		X					
2	1.49		X								X	X	
3	1	X		X				X			X		
4	0.61		X								X		
5	0.40	X				X	X				X		

RATIO SPREAD	6.28
RATIO STEPS	
REV/1	-0.60
1/2	1.68
2/3	1.49
3/4	1.63
4/5	1.54

Fig. 11b

12/12

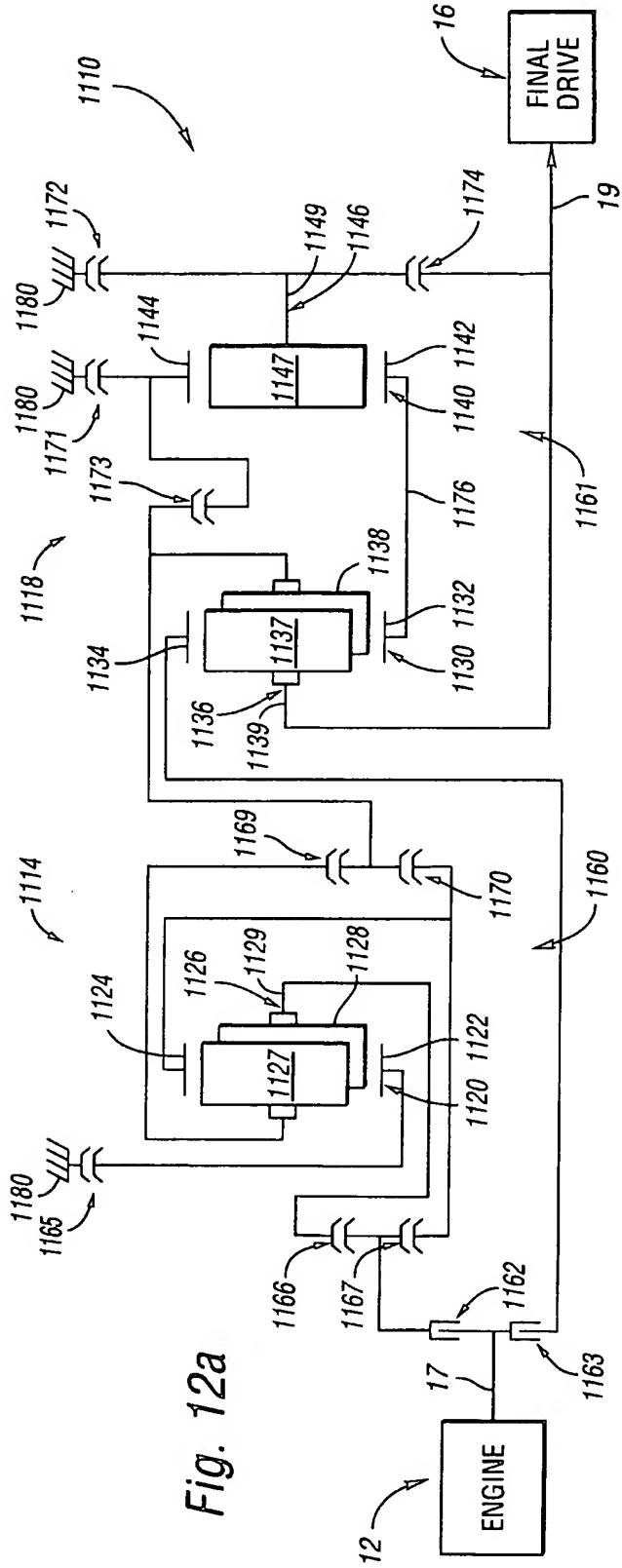


Fig. 12a

	RATIOS	1162	1163	1165	1166	1167	1169	1170	1171	1172	1173	1174
REVERSE	-1.19		X						X	X		
NEUTRAL												
1	2.64		X					X				
2	1.51	X		X								
3	1		X									
4	0.66	X		X			X	X				
5	0.45		X							X	X	

$$\begin{array}{l} \text{RING GEAR} \\ \hline \text{SUN GEAR} \\ \text{TOOTH RATIO} \\ \hline \frac{R_1}{S_1} = 2.98 \\ \frac{R_2}{S_2} = 1.82 \\ \frac{R_3}{S_3} = 2.99 \end{array}$$

RATIO SPREAD	5.87
RATIO STEPS	
REV/1	-0.45
1/2	1.76
2/3	1.51
3/4	1.51
4/5	1.47

Fig. 12b